Detecting disturbance legacy effects in functional trait phenology using imaging spectroscopy

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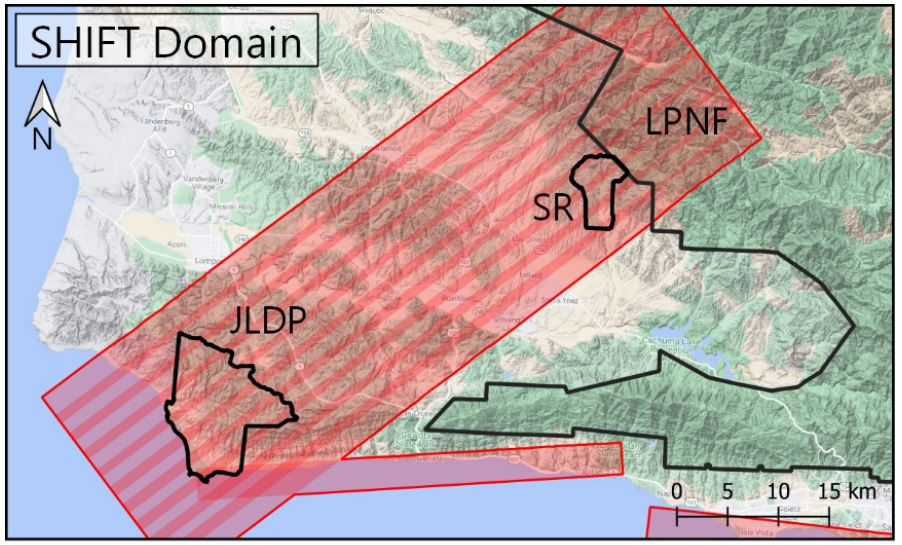
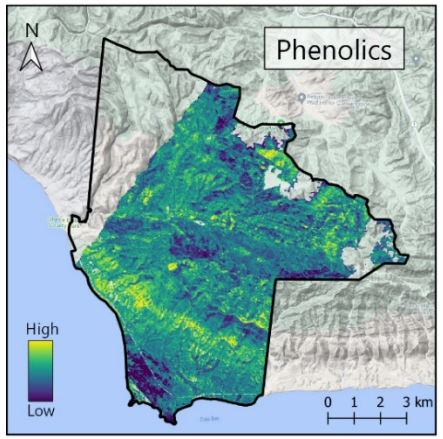
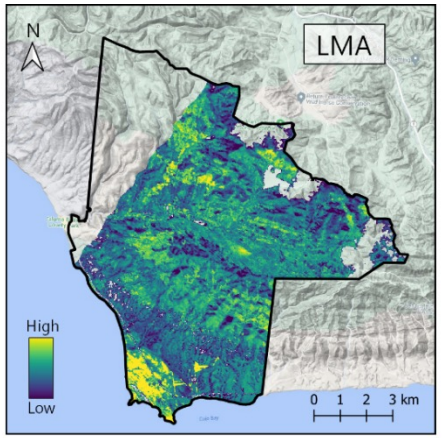
NASA Biodiversity and Ecological Conservation Team Meeting
May 9th, 2023

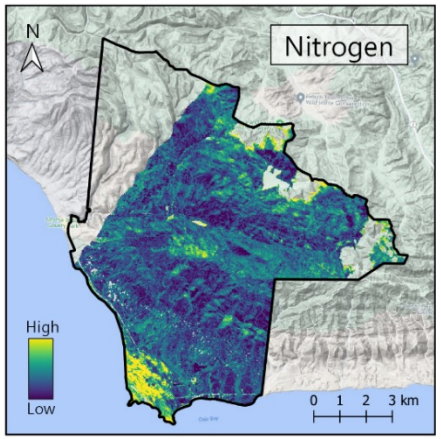
Background

- SHIFT: SBG (Surface Biology and Geology) High Frequency Time series
- SHIFT will prototype planned SBG data and algorithm calibration
- In situ data collected on/around each weekly flight day, primarily in:
  - Jack and Laura Dangermond Preserve (JLDP)
  - Sedgwick Reserve (SR)
  - Los Padres National Forest (LPNF)









Research Questions

- Can we detect disturbance legacies in functional trait compositions?
- How do functional traits vary at one point in time vs. across a growing period?

Ungrazed and unburned

Ungrazed and burned

Grazed and burned